



**PATENT**

**Application # 10/042,166**

**Attorney Docket # 1014-203**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : Lin, Wei  
Application # : 10/042,166  
Confirmation # : 5969  
Filed : 01/11/2002  
Application Title : Enhanced Channel Access Mechanisms for an HPNA Network  
Art Unit # : 2616  
Latest Examiner : Cho, Hong Sol

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Mail Stop Amendment  
Commissioner for Patents  
United States Patent and Trademark Office (USPTO)  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97, and 1.98, the attention of the USPTO is hereby directed to the attached listing of documents and/or the attached Declaration. For each document listed under "Foreign Patent Documents" or "Non Patent Literature Documents", one copy of that document is attached.

It is respectfully requested that the listed documents:

- (1) be expressly considered during the prosecution of this application;
- (2) be made of record therein; and
- (3) appear among the "References Cited" on any patent to issue therefrom.

Although the information submitted herewith might be "material" to the USPTO's consideration of this application, this submission is not intended to be an admission that such

information qualifies as “prior art” as to any claimed subject matter. The filing of this Information Disclosure Statement is not to be construed to mean that a search has been made.

The following marked paragraphs are applicable in this IDS:

**Timing of this IDS:**

- ☒ **A.** This IDS is being filed per 37 CFR 1.97(b)
- ☐ (1): within 3 months of the U.S. filing date other than a CPA under 1.53(d);
  - ☐ (2): within 3 months of the date of entry of the national stage as set forth in 1.491 in an international application;
  - ☐ (3): before the mailing date of a first Office Action on the merits; **OR**
  - ☒ (4): before the mailing date of a first Office Action associated with a request for continued examination (RCE) under 1.114;

**AND**, thus, no certification or fee is required.

- ☐ **B.** This IDS is being filed per 37 CFR 1.97(c), **AFTER** the period specified in 37 CFR 1.97(b) [section A of this IDS]; and **BEFORE**:
- (a) the mailing date of any Final Action under 1.113,
  - (b) a Notice of Allowance under 1.311, **OR**
  - (c) an action that otherwise closes prosecution,

**AND**, per 37 CFR 1.97(e), I hereby certify that:

- ☐ (1) each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this IDS ; **OR**
- ☐ (2) no item of information in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge

after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than 3 months prior to the filing of this IDS;

**OR**, per 37 CFR 1.97(c), this IDS is accompanied by:

☐ (3) payment of the fee under 37 CFR 1.17(p) to ensure consideration of the disclosed information.

☐ **C.** This IDS is being filed per 37 CFR 1.97(d), **AFTER** the period specified in 37 CFR 1.97(c) [section **B** of this IDS], and **ON** or **BEFORE** the payment of the Issue Fee;

**AND**, per 37 CFR 1.97(e), I hereby certify that:

☐ (1) each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this IDS; **OR**

☐ (2) no item of information in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than 3 months prior to the filing of this IDS;

**AND**, per 37 CFR 1.97(d), this IDS is accompanied by:

☐ (3) payment of the fee under 37 CFR 1.17(p) to ensure consideration of the disclosed information.

**Legible Copies of Listed References:**

☒ **D.** In addition to the attached listing, accompanying this IDS is a legible copy of each listed:

- (1) foreign patent document;
- (2) pending unpublished U.S. application **OR** that portion of the application that caused it to be listed including any claims directed to that portion; **AND**
- (3) non-patent document or that portion thereof that caused it to be listed;

(4) other information or that portion that caused it to be listed.

- ☐ E. Consistent with 37 CFR 1.98(d), because the IDS submitted in parent U.S. Patent Application No. \_\_\_\_\_, to which this application claims priority per 35 U.S.C. 120, complies with 37 CFR 1.98(a) to (c), copies of the patent documents, non-patent documents, pending U.S. application, and other information submitted in that parent application do not accompany this IDS.

**CONCLUSION**

The Office is hereby authorized to charge any additional fees or credit any overpayments under 37 C.F.R. 1.16 or 1.17 to Deposit Account No. 50-2504. The Examiner is invited to contact the undersigned at 434-972-9988 to discuss any matter regarding this application.

Respectfully submitted,

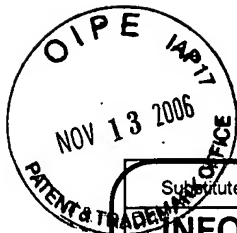
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Date: 13 November 2006

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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/042,166
		Filing Date	01/11/2002
		First Named Inventor	Lin, Wei
		Group Art Unit	2616
		Examiner Name	Cho, Hong Sol
(use as many sheets as necessary)		Attorney Docket Number	2000-0672D (1014-203)
Sheet	1	of	3

PUBLISHED U.S. PATENT DOCUMENTS			
Examiner Initials	Application or Patent Number	Name of Applicant or Patentee	Date of Publication
	5,572,678	Homma	5 November 1996
	6,532,279	Goodman	11 March 2003
	6,563,816	Nodoushani	13 May 2003
	6,674,765	Chuah	6 January 2004
	6,731,627	Gupta	4 May 2004
	6,778,549	Keller	17 August 2004
	6,778,646	Sun	17 August 2004
	6,804,222	Lin	12 October 2004
	6,850,981	Ho	1 February 2005
	6,862,270	Ho	1 March 2005
	6,862,280	Bertagna	1 March 2005
	6,862,630	Garg	1 March 2005
	6,877,043	Mallory	5 April 2005
	6,891,881	Trachewsky	10 May 2005
	6,898,204	Trachwesky	24 May 2005
	6,907,066	Nayler	14 June 2005
	6,909,725	Chow	21 June 2005
	6,925,089	Chow	2 August 2005

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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			First Named Inventor	Lin, Wei	
			Group Art Unit	2616	
(use as many sheets as necessary)			Examiner Name	Cho, Hong Sol	
Sheet	2	of	3	Attorney Docket Number	2000-0672D (1014-203)

PUBLISHED U.S. PATENT DOCUMENTS			
Examiner Initials	Application or Patent Number	Name of Applicant or Patentee	Date of Publication
	6,928,057	Bullman	9 August 2005
	6,940,918	Nayler	6 September 2005
	6,947,438	Chang	20 September 2005
	6,947,480	Beale	20 September 2005
	6,950,397	Ho	27 September 2005
	6,963,545	Ho	8 November 2005
	6,970,422	Ho	29 November 2005
	6,975,655	Fischer	13 December 2005
	6,999,442	Ho	14 February 2006

NON-PATENT DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	AMODEI, AURELIO et al., "Increasing the Throughput of the HomePNA MAC Protocol, IEEE, Proceedings of the 29th Annual IEEE International Conference on Local Computer Networks (LCN '04), 8 Pages", 1 November 2004, 8 page(s), None
	DAVIES, NIGEL and RAVERDY, PIERRE-GUILLAUME, "Position Paper: The Role of Platforms and Operating Systems in Supporting Home Networks", Proceedings of the 9th Workshop on ACM SIGOPS European Workshop: Beyond the PC: New Challenges for the OS, 1 September 2000, 6 page(s), ACM Press, None
	Ho, Jin-Meng, "Centralized Contention and Reservation Request for QOS-Driven Wireless LANS", U.S. Patent Application Number 09/617,439, 14 July 2000, 77 page(s), US

Examiner Signature		Date Considered	
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(use as many sheets as necessary)		Examiner Name	Cho, Hong Sol
Sheet	3	of	3
		Attorney Docket Number	2000-0672D (1014-203)

	Ho, Jin-Meng, "Enhanced Channel Access Mechanisms for QOS-Driven Wireless LANS", U.S. Patent Application Number 09/616,885, 14 July 2000, 76 page(s), US
	Ho, Jin-Meng, "Multipoll for QOS-Driven Wireless LANS", U.S. Patent Application Number 09/616,884, 14 July 2000, 72 page(s), US
	Ho, Jin-Meng, "RSVP/SBM Based Up-Stream Session Setup, Modification, and Teardown for QOS-Driven Wireless LANS", U.S. Patent Application Number 09/616,878, 14 July 2000, 82 page(s), US
	Ho, Jin-Meng, "Virtual Streams for QOS-Driven Wireless LANS", U.S. Patent Application Number 09/617,083, 14 July 2000, 69 page(s), US
	Lin, "U.S. Patent Application number 10/042,142", Enhanced Channel Access Mechanisms for an HPNA Network, 11 January 2002, 75 page(s), US
	Lin, "U.S. Patent Application number 10/042,143", Enhanced Channel Access Mechanisms for an HPNA Network, 11 January 2002, 52 page(s), US
	Lin, "U.S. Patent Application number 10/042,165", Enhanced Channel Access Mechanisms for an HPNA Network, 11 January 2002, 51 page(s), US
	Lin, "U.S. Patent Application number 10/042,179", Enhanced Channel Access Mechanisms for an HPNA Network, 11 January 2002, 62 page(s), US
	Lin, "U.S. Patent Application number 11/256,598", Enhanced Channel Access Mechanisms for an HPNA Network, 21 October 2005, 53 page(s), US
	Lin, "U.S. Patent Application number 11/398,297", Enhanced Channel Access Mechanisms for an HPNA Network, 5 April 2006, 53 page(s), US

Examiner Signature		Date Considered	
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<sup>3</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## CERTIFICATE OF EXPRESS MAILING

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Date of Deposit: 13 November 2006

Pursuant to 37 C.F.R. § 1.10, I certify that I am personally depositing the following paper(s) or fee(s) with the "Express Mail Post Office to Addressee" service of the United States Postal Service on the above date in a sealed envelope (a) having the above-numbered Express Mail label and sufficient postage affixed, and (b) addressed to:  
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Stamped, self-addressed postcard for USPTO receipt stamp (1 card)  
Fee Transmittal Form (PTO/SB/17) (1 sheet)  
Credit Card Payment Form (PTO-2038) (1 sheet)  
Request For Continued Examination (RCE) Transmittal (PTO/SB/30) (1 sheet)  
Information Disclosure Statement (4 sheets)  
Form PTO-1449 (3 sheets)  
13 Non-Patent Literature documents

Application Number 10/042,166  
Confirmation No.: 5969  
Filing Date: 11 January 2002  
Document Submission Date: 13 November 2006

Art Unit: 2616  
Examiner: Cho, Hong Sol  
Inventor: Lin, Wei  
Docket: 2000-0672D (1014-203)

13 Nov 2006

Date

Eden Brown

Name of Certifier

*Eden Brown*

Signature of Certifier